

THE "IRON AGE" SEED DRILLS, FERTILIZER DRILLS AND WHEEL HOES

No. 6 "Iron Age"
Combined Double and Single Wheel
Hoe, Hill and Drill Seeder

Price,
PACKED WEIGHT, 50 POUNDS

Hill and Drill Seeder only (No. 7)
Price,



Fig. 114

The completeness of the tool and the universal satisfaction it has given places it first among the Iron Age Garden Implements. Combined in this tool, as will be further explained, there are three distinct and thoroughly practical tools, a Hill and Drill Seeder, a Double Wheel Hoe, and a Single Wheel Hoe.

Hill and Drill Seeder

The Wheel is of steel, 16 inches high. The Frame is made of pipe, coupled to malleable castings.

The Seed Sowing Device is simple, yet very effective. The agitator is simply a revolving brush of selected bristles, which separates the seeds which may cling together, and acts as a gentle force feed.

Celery, radish, lettuce, beets, onion, carrot, spinach, etc., can be sown with this drill with great uniformity. Besides placing the seeds in drills, our No. 6 will also drop in hills at 4, 6, 8, 12 or 24 inches apart. The change from a Drill Seeder to a Hill Dropper or the reverse can be instantly made.

Double and Single Wheel Hoe

For cuts and description of our No. 6 Combined Tool, set up as a Double and Single Wheel Hoe, we refer you to Figs. 75 and 76 respectively, page 6. What is there said under the head of our No. 1 "Iron Age" Double Wheel Hoe, with its various attachments, will also apply to our No. 6 Combined Tool, for the Double and Single Wheel Hoes of this tool are identical with our No. 1.

No. 4 "Iron Age" Combined Double and Single Wheel Hoe and Drill Seeder

Price,

PACKED WEIGHT, 50 POUNDS

As a Drill Seeder only (No. 5), Price,

What is previously said relative to our No. 6 Combined Double Wheel Hoe, Hill and Drill Seeder is largely applicable to our No.

4. It only differs in the Seed Sowing Device, Plow and Marker. Both tools as Wheel Hoes are identical.

The Seed Sowing Device of our No. 4 is only designed to sow seeds in continuous rows. We find that while there are some who prefer a drill which will drop

seeds in hills as well as sow in rows, there are others who care nothing for a drill so made.



Fig. 83

No. 15 "Iron Age" Combined Single Wheel Hoe, Hill and Drill Seeder

Price,

PACKED WEIGHT, 49 POUNDS

Our Combined Single Wheel Hoes and Seed Drills will accomplish all manner of work without the purchase of additional attachments—ground may be plowed and raked, furrows made, seed sown and covered, plants hoed, cultivated and plowed.

As a Hill and Drill Seeder

The Wheel is made of steel, 16 inches high, and has a broad-faced tire $1\frac{3}{4}$ inches wide. The Frame is made of pipe coupled to malleable castings, very strong, yet light.

The Seed Sowing Device sows the seed in a continuous row or drops in hills at 4, 6, 8, 12 or 24 inches apart. The agitator is a revolving brush, which absolutely injures no seed.

Our No. 15, as a Hill and Drill Seeder only, embodies every good feature of a tool designed especially as a Seed Drill, and we highly recommend it to all of our trade as one of our best Plain Seed Drills. In this form, a plain drill, we offer it as our No. 16 "Iron

Age" Hill and Drill Seeder, as shown in Fig. 126, page 3. A careful examination of the cut and description will convince one of its many good qualities.

Although this Seeder is one form of the Combined Tool, not a single advantage is contained in any Plain or Combined Seed Drill that this tool does not possess, while the conversion of it into a complete Single Wheel Hoe can, at any time, be accomplished by the purchase of the necessary cultivating tools.

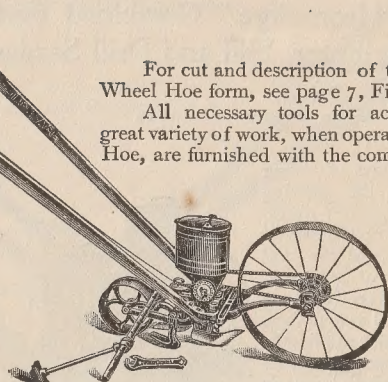


Fig. 125

As a Single Wheel Hoe

The change from a Seed Drill to a Wheel Hoe is made by simply detaching the Seed Sowing Device and applying such cultivating tools as may be desired.

No. 16
 "Iron Age" Hill and
 Drill Seeder

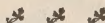


For cut and description of this tool in its Wheel Hoe form, see page 7, Fig. 135.

All necessary tools for accomplishing a great variety of work, when operating the Wheel Hoe, are furnished with the combination.

Price,

Fig. 126



No. 17 "Iron Age" Combined Single Wheel Hoe
 and Drill Seeder

Price,

PACKED WEIGHT, 45 POUNDS

Likewise, in our Single Combined tool for the accommodation of those who have no preference for a Seed Drill to drop in hills as well as sow in rows, we offer a tool very similar to our No. 15 without the Hill Dropping Device, which we term our No. 17 "Iron Age" Combined Single Wheel Hoe and Drill Seeder, the price of which is one dollar less than No. 15.

What we have said above relative to the Wheel Hoe form of our No. 15 Combined Tool, applies with equal force to our No. 17 Combined Tool, for as Wheel Hoes they are identical.

No. 18 "Iron Age" Drill Seeder

Price,

The No. 18 is the Seed Drill only of the No. 17 Combination. It is identical with our No. 16, shown in cut above, with the exception of being designed only for sowing seeds in rows. It possesses every advantage of a drill made expressly as a Drill Seeder only. The price at which we offer it makes it the lowest-priced Drill we manufacture.

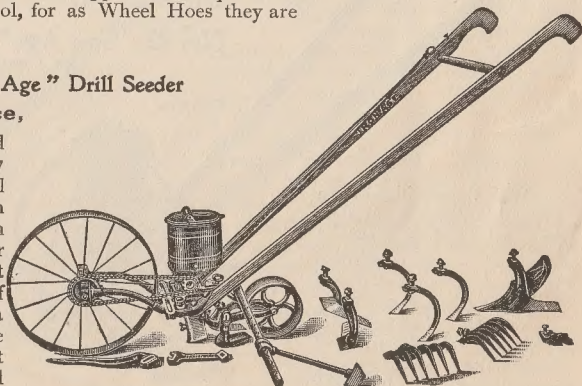


Fig. 127

No. 22 "Iron Age" Combined Fertilizer Distributor, Hill and Drill Seeder

Price,
PACKED WEIGHT, 65 POUNDS
NET " 50 "

In these days of strong competition in the growing of crops, it becomes necessary for the market gardener to make a study of the most economical use of fertilizers, and to obtain this economy requires such a tool as in accompanying cut, which applies the fertilizer in connection with the seed, just where it will do its greatest good; or, by the use of the same tool in its other form, as shown in Fig. 132, by applying quick acting fertilizers to growing plants.



Fig. 130

Although a tool designed to do so much, it is perfectly simple, light of draught, strong, and perfection in the quality of work done by it.

The Opening Plows of the Fertilizer Distributor are made of such shape as to encase the two fertilizer distributing tubes (one in each plow) leading from the Fertilizer Hopper. These plows are adjustable in depth and width, which allows the adjustment of the depth at which the fertilizer is sown and allows its distribution in narrow streams at different distances. The Plows are immediately followed by the covers which draw the soil over the fertilizer just deposited.

The Fertilizer Distributor is thoroughly reliable in its distribution of fertilizer. It contains a force feed device which prevents stoppage by small lumps.

The Seed Sowing Device is practically the same as used on our Nos. 6 and 15 Combined Seed Drills. The seed may be sown in rows or dropped in hills at 4, 6, 8, 12 or 24 inches apart.

No. 23 "Iron Age" Fertilizer Distributor (AS A SIDE DRESSER)

Price,

PACKED WEIGHT, 40 POUNDS
NET " 27 "

Hill and Drill Seeder
Attachment,

With the addition of the Hill and Drill Seeder attachment, this tool is identical with the No. 22 Combined Fertilizer Distributor. Hill and Drill Seeder shown above.

This tool is operated by working astride the rows of growing plants, and the result accomplished will be most gratifying.

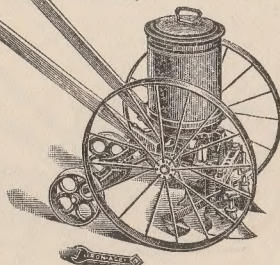


Fig. 132

The side or top dressing of growing plants has become a practice of great importance. It is not merely a matter of the economical distribution of high-priced fertilizers, but what is of more consequence, the placing of it just where the rootlets will quickly seize and absorb its chemical constituents.

No. 8 "Iron Age" Hill and Drill Seeder

Price,
PACKED WEIGHT, 40 POUNDS

The No. 8 "Iron Age" Hill and Drill Seeder fills a long-felt need. It is simple, light, strong and capacious.

The Wheel is fifteen inches high and has a two-inch tread. Being made of steel, it is very light.

The Hopper is low, therefore the delivery of the seed is close to the ground. Its capacity is four quarts.

The agitator is a revolving brush which makes it absolutely a sure feed and sows all of the seed accurately and without injury.

The Opening Plow is of such shape as to render it positively clog-proof.

Distance of spacing the seed can be instantly changed. It will drop in hills at 4, 6, 8, 12 or 24 inches apart, or sow in rows.

An admirable tool and one deserving the attention of all market gardeners.

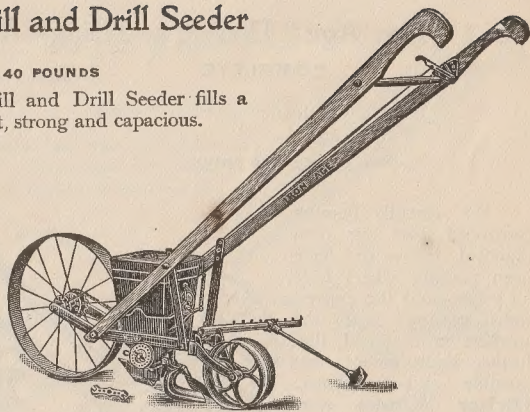


Fig. 95

The "New Model" Seed Drill

PACKED WEIGHT, 40 POUNDS
Price,

The record of the "New Model" has been so entirely satisfactory, and its place as one of the leading drills has become so firmly established that we are almost tempted to discard the term "New."

Regulation of Discharge.—Drills of similar construction are usually provided with a series of holes of varying sizes through which the seed is passed, which, of course, do not always give an opening of the exact size required.

This adjustment is accomplished in a very simple and effective manner by use of a slide with a pear-shaped opening, passing under the bottom of the seed reservoir, which is provided with a perforation of similar shape in reversed position. This slide can be instantly adjusted to size indicated by

Index, or to a HAIR-BREADTH VARIATION BETWEEN—a vital point in a perfect seed drill. **Index.**—The Index or Indicator is plain, convenient and reliable. It is placed in open sight immediately under the eye of the operator. **Marker.**—Is simple, easily adjusted and firmly held. **Broad Wheel.**—The main wheel is of large size and of UNUSUAL width, preventing its sinking into soft earth.

Covering Roller.—Is attached by swinging frame, enabling operator to roll lightly or otherwise, by varying the pressure on handles. **Opening Plow.**—Is of STEEL, adjustable in depth. **Handles.** Firmly bolted, braced, and adjustable in height.

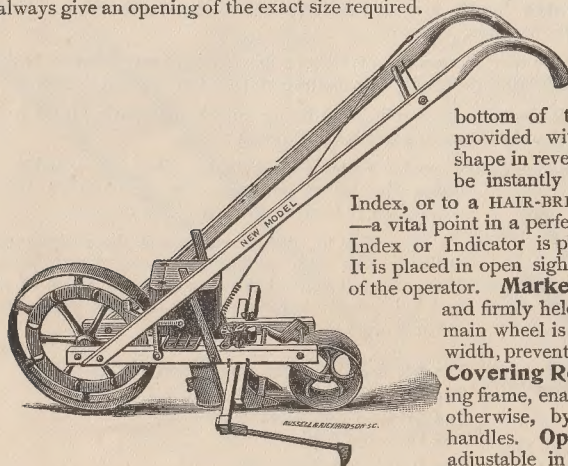


Fig. 28

No. 1 "Iron Age" Double and Single Wheel Hoe

COMPLETE

Price,

No. 3 (Side Hoe only),

We recently became convinced from our own practical tests—we have been making wheel hoes for years—and the expressions coming from the workers in the field, that further improvement was possible and necessary.

Higher Wheels were called for; the old pattern frames were made of grey iron, and were consequently TOO HEAVY, to say nothing of their constant breakage.

We have practically made the tool "bicycle construction." **Wheels** are of steel, very light and are 16 inches in height. **Frame** made of tubing, coupled to MALLEABLE castings; high arch, capable of working astride of 20-inch plants; an extra axle is sent out with each tool used, as shown in figure 76, making a PERFECT SINGLE WHEEL HOE. Probably the greatest amount and variety of work is accomplished with the **Side Hoes**. For first hoeings of small plants these are placed, as shown in Figures 75 and 81, cutting as close to the row as practicable. For later hoeings, when it is thought advisable to throw a little earth towards the row, the hoes are changed to opposite sides, as shown in Figures 76. When used in this shape between very narrow rows, it is possible to overlap the hoes, as one is slightly in advance of the other.

The set of four **Cultivator Teeth** are used principally for deep cultivation. One or more can be used as the work demands.

The pair of **Plows** can be used in various operations; in plowing away from or hilling crops; opening furrows and covering them after the manure and seed are placed therein.

The use of the **Rakes** is obvious; for leveling and fining soil when preparing it for seed, and breaking the first crust, thereby destroying millions of young weeds.

The **Vine Lifters** are detachable, and adjustable in height. They are valuable in lifting the leaves and vines to prevent their being covered by the soil thrown by plows or hoes.

We wish to strongly emphasize the really extraordinary ease with which the "Iron Age" Wheel Hoe is operated, the lightness and construction of the tool being such that every ounce of effort goes direct to the work accomplished.

PRICE

The No. 4 Drill Seeder Attachment	.	.	.
The No. 6 Hill and Drill Seeder	.	.	.
The Single-Tooth Attachment	.	.	.
The Landside Plow	.	.	.
The Double Weeder	.	.	.

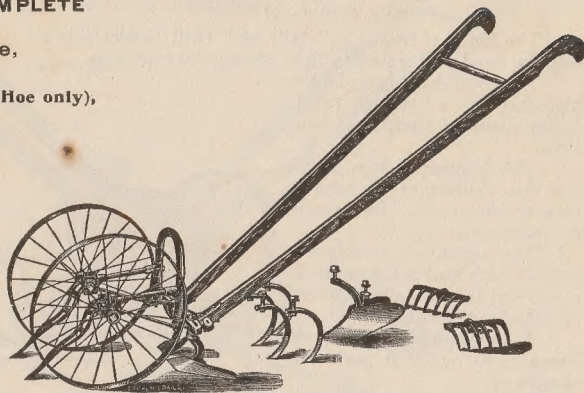


Fig. 75

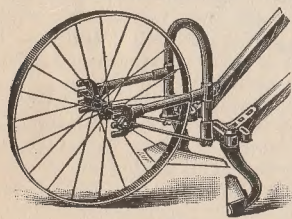


Fig. 76

Showing the Double Wheel Hoe set up as a Single Wheel

No. 20 "Iron Age" Single Wheel Hoe

Price, complete,

No. 21 Plain (Hoes only),

PACKED WEIGHT, 28 POUNDS

In the No. 20 we offer our latest and most complete Single Wheel Hoe. The Wheel is 16 inches high and has a broad-faced tire, being $1\frac{3}{4}$ inches wide. It is securely held in position by two rigid arms which are made of tubing and coupled to a malleable casting, to which the working tools and handles are attached. Being constructed on the principles mentioned above, it is necessarily very strong and yet light in weight.



Fig. 135

One pair of side hoes, three cultivator teeth made of solid steel, one pair of rakes, and a landside plow are furnished with the tool when purchased complete.

There is a large class of amateur gardeners who, in buying a garden tool, question whether they will have enough use of a seed drill to warrant them in paying the additional price for a Combined Wheel Hoe and Seed Drill. To all such, we especially recommend our No. 20 when a Single Wheel Hoe is desired, for at any future time a Seed Drill attachment may be applied which converts the tool into a Seed Drill possessing every advantage of a tool made expressly for the purpose. Although a combination, not a single advantage is lost with the tool in either form, a Single Wheel Hoe, or a Seed Drill.

The No. 4 "Iron Age" Drill Seeder Attachment may be easily and quickly applied, and it will sow in rows all garden seeds accurately. Price,

The No. 6 "Iron Age" Hill and Drill Seeder Attachment will sow seeds in rows or drop in hills at 4, 6, 8, 12 or 24 inches apart. Price,

The No. 9 "Iron Age" Single Wheel Hoe

Price, No. 9, Complete, "
" No. 10, Plain (hoes only),

PACKED WEIGHT, 28 POUNDS

This tool is, in regard to the work done, almost a counterpart of the No. 20 Single Wheel Hoe, and the same remarks as to its extreme lightness and ease of operation will apply with equal force. For the small kitchen-garden we consider the single hoe, with these points of merit, as being preferable.

With the Single Wheel tool, spaces of exceedingly narrow width can be worked, even using but one cultivator tooth. With the large plow attachment, deep furrows can be opened or closed; potatoes, celery and other crops hilled—in short, all work usually accomplished by a special plow.

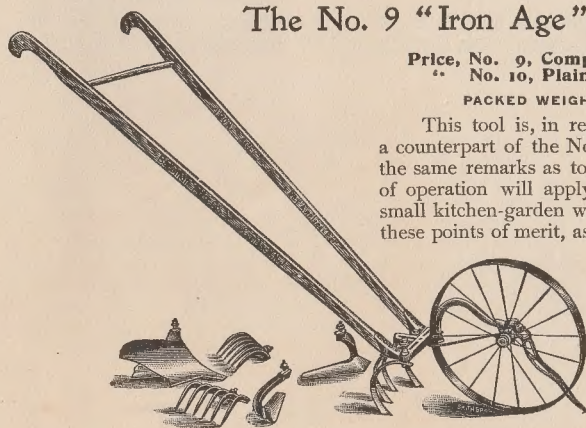


Fig. 78

The No. 12 "Iron Age" Wheel Plow and Cultivator

Price,

PACKED WEIGHT, 20 POUNDS

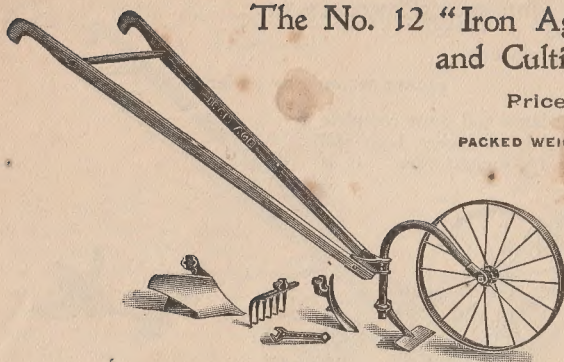


Fig. 120

With all the different styles of Garden Cultivators we have been manufacturing, there still remained a demand for a tool such as shown in Fig. 120; something light, strong, low in price, and still possessing the necessary tools to make it accomplish a great variety of work. Yes, in fact, all work needed to be done

in a small kitchen-garden; plowing, furrowing, covering, hoeing, raking and cultivating.

The average weight of this implement fitted with one working tool is but eight pounds, and can therefore be carried about the garden and used as readily as a common hoe.

The simple means of detaching or applying the tools practically makes the implement ever ready for the purpose intended, therefore this tool is emphatically a friend of the laborer and mechanic who can afford only to invest a small amount of money in a garden tool, but whose few moments in the garden must be devoted to "straight-ahead" work.

This Wheel Plow and Cultivator is not only useful in cultivating vegetables, but also flowers, hoeing weeds out of paths, stirring the earth in the poultry yards, and a large number of other purposes which will suggest themselves to the operator.

The No. 11 "Iron Age" Wheel Plow

Price,

PACKED WEIGHT, 15 POUNDS

This tool is furnished with only a landside-plow and is identical with our No. 12, Figure 120, when fitted with the plow. An excellent tool for numerous purposes about the garden.

